

ABSTRACT OF THE DISCLOSURE

A novel lighting assembly that incorporates a high brightness light emitting diode (LED) in a compact assembly for further integration into a lighting device is provided. The lighting head assembly of the present invention provides several novel aspects that are all closely integrated to provide a unique assembly for incorporating a high brightness LED into a lighting device. In particular, the head assembly utilizes a receiver sleeve that includes a non reflective coating to provide a high level of contrast between the lighting element and the interior region surrounding the lighting element. Further, an optical element is coupled to the receiver to capture an image of the lighting element to provide a sharp, uniformly illuminated image in the far field of the device.